Agarwal, Yuvraj  Courtesy  Professor – ECE; Assistant Professor – CS  (412) 268-7328  yuvraja@andrew.cmu.edu  
Alacce, John  Systems  Administrator – ECE  (412)-268-6649  jalacce@ece.cmu.edu  
Ambrass, Charlotte  Director of Finance  and Sponsored Research – ECE  (412)-268-6858  ambrass@ece.cmu.edu  
Andersen, David  Adjunct Professor – ECE  dga2@andrew.cmu.edu  
Anna, Shelley L.  Associate  Professor – MechE; Affiliated  Faculty – DSSC  sanna@andrew.cmu.edu  
Ambrass, Charlotte  Director of Finance  and Sponsored Research – ECE  (412)-268-6858  ambrass@ece.cmu.edu  
Andersen, David  Adjunct Professor – ECE  dga2@andrew.cmu.edu  
Anna, Shelley L.  Associate  Professor – MechE; Affiliated  Faculty – DSSC  sanna@andrew.cmu.edu  
Antaki, James  Professor – BME; Courtesy  Professor – ECE  antaki@andrew.cmu.edu  
Atwell, Niccole  Senior Associate Director  of Engagement and Annual Giving – ECE  (412) 268-8858  atwell@andrew.cmu.edu  
Ausavarungnirun, Rachata  Post Doctoral  Research Associate – ECE  rausavar@andrew.cmu.edu  
Bain, Jim  Professor – ECE, MSE; Associate  Director – DSSC  jbain@ece.cmu.edu  

Keywords

Thin-film magnetic device design, fabrication, and testing; magnetic disk and tape recording

Balram, Nikhil  Adjunct Professor – ECE

Bandola, Judy  Administrative  Coordinator – ECE  (412)-268-2224  judy@ece.cmu.edu

Bauer, Lujo  Associate  Professor – ISR, ECE  (412)-268-9745  lbauer@cmu.edu

Keywords

Computer security, access control, program monitoring, security automata, policy specification

Bauerle, Claire E.  Administrative  Coordinator – ECE  (412)-268-7422  cbauerle@ece.cmu.edu

Beckmann, Nathan  Courtesy  Professor – ECE; Assistant  Professor – CSD  beckmann@cs.cmu.edu
Berger, Luc  Professor Emeritus – Physics; Affiliated Faculty – DSSC  
Berges, Mario  Assistant Professor – CEE; Courtesy Professor – ECE  
Bhagavatula, Vijayakumar  U.A. and Helen Whitaker Professor – ECE; Affiliated Faculty – DSSC; Associate Dean of Faculty and Graduate Affairs – CIT  

Keywords  
Coding and signal processing for data storage, biometrics, pattern recognition  

Bianchini, Ronald  Adjunct Professor – ECE  

Keywords  
Distributed fault-tolerant computing and computer networks  

Bishop, Cathy  Instructor – ECE  
Blanton, Shawn  Professor – ECE  

Keywords  
Test and diagnosis of heterogeneous, integrated systems  

Bollapragada, Vara  Post Doctoral Research Associate – ECE  
Boni, Dante  Equipment Technician – Nanofab  
Bosle, Kevin  Senior Buyer – ECE  
Brown, Timothy X  Distinguished Service Professor – EPP, ECE  
Brumley, David J.  Associate Professor – CS; Director – CyLab; Professor – ECE  
Bryant, Randal  Professor – CS; Courtesy Professor – ECE  

Keywords  
Formal hardware and software verification  

Burns, Krista  Communications Manager – ECE
Carley, Kathleen  Professor – ISR; Courtesy Professor – ECE  (412)-268-6016  kathleen.carley@cs.cmu.edu
Carley, Rick  ST Microelectronics  Professor – ECE; Affiliated Faculty – DSSC  (412)-268-3597  lrc@ece.cmu.edu

Keywords
CAD and design of analog signal processing circuits and MEMS systems

Chamanzar, Maysam  Assistant Professor – ECE  412-268-3390  mchamanz@andrew.cmu.edu

Keywords
Optics, Neural Interfaces, Photonic Integrated Circuits, Plasmonics, Sensing

Chase, Steven  Courtesy Professor – ECE  schase@andrew.cmu.edu
Chen, Tsuhan  Adjunct Professor – ECE  tsuhan@ece.cmu.edu

Keywords
Multimedia coding and streaming, computer vision, pattern recognition, computer graphics, multimodal biometrics

Chi, Yuejie  Adjunct Professor – ECE  yuejiec@andrew.cmu.edu

Chomas, Louis  Research Associate – DSSC; Cleanroom/MEMS Engineer – ECE  (412)-855-9077  lchomas@andrew.cmu.edu

Choset, Howie  Professor – RI; Courtesy Professor – ECE  (412)-268-2495  choset@cs.cmu.edu

Keywords
Hyper-redundant mechanisms, coverage, car-painting, de-mining, mobile robots, motion planning, hybrid controls

Chraska, Jacqueline  Administrative Coordinator – ECE  (412)-268-3096  chraska@ece.cmu.edu

Christin, Nicolas  Associate Research Professor – EPP; Assistant Research Professor – CyLab; Courtesy Professor – ECE  (412)-268-4432  nicolasc@andrew.cmu.edu
Keywords

Computer security, network security, online crime, security economics, usable security, algorithmic applications of game theory

Chung, Pil Seung Post Doctoral Research Associate – ChemE, DSSC
Chung, Pil Seung (412)-268-4035 pil@cmu.edu

Clarke Jr., Edmund FORE Systems Professor – CS; Courtesy Professor – ECE
Clarke Jr., Edmund (412)-268-2628 edmund.clarke@cs.cmu.edu

Keywords

Hardware and software verification, automatic theorem proving, symbolic computation

Collier, Zara Technical Academic Services Coordinator – ECE
Collier, Zara (412)-268-6595 zcollier@andrew.cmu.edu

Cominos, Lenna Corporate Relations – ECE
Cominos, Lenna (412)-268-7689 cominos@andrew.cmu.edu

Condessa, Filipe Post Doctoral Research Associate – ECE
Condessa, Filipe (412)-268-3729 fcondess@andrew.cmu.edu

Conley, Kelley Research Administrator – ECE
Conley, Kelley (412)-268-3729 kelleyc@andrew.cmu.edu

Copetas, Catherine ECE/SCS Office of Engagement and Annual Giving – ECE
Copetas, Catherine (412)-268-3299 copetas@andrew.cmu.edu

Cowan, Christina Director of Administrative Services & Office of the Department Head – ECE
Cowan, Christina (412)-268-7534 ccowan@andrew.cmu.edu

Cranor, Lorrie F. Professor – ISR, EPP; Courtesy Professor – ECE
Cranor, Lorrie F. (412)-268-7534 lorrie@cs.cmu.edu

Keywords

Usable privacy and security

Datta, Anupam Associate Professor – CyLab, ECE
Datta, Anupam (412)-268-7264 danupam@andrew.cmu.edu

Davis, Robert John and Claire Bertucci Distinguished Professor – MSE; Courtesy Professor – ECE
Davis, Robert (412)-268-7264 rfd@andrew.cmu.edu

Decker, Dave Manager of Web Development Services – ECE
Decker, Dave (412)-268-8157 ddecker@andrew.cmu.edu

De La Torre Frade, Fernando Courtesy Professor – ECE; Research Scientist – RI
De La Torre Frade, Fernando (412)-268-8157 ftorre@cs.cmu.edu
Dey, Anind K. Associate Professor – HCII; Courtesy Professor – ECE
Dolan, John Courtesy Professor – ECE; Senior Systems Scientist – RI

Keywords
mobile and space robotics, human-robot interaction, mechatronics, automated manufacturing

Du, Jian Post Doctoral Research Associate – ECE

Eckhardt, Dave Courtesy Professor – ECE; Assistant Teaching Professor – CS
Elgersma, Steve Senior Systems & Software Engineer – ECE
Erdogmus, Hakan Associate Teaching Professor – ECE

Faloutsos, Christos Professor – CS; Courtesy Professor – ECE

Keywords
Databases, data mining, multimedia indexing, performance evaluation

Falsafi, Babak Adjunct Professor – ECE, CS

Keywords
Computer architecture, memory systems, multiprocessor architecture, architectural support for gigascale integration, design evaluation tools

Fedder, Gary Howard M. Wilkoff Professor – ECE, RI; Co-
Director – MEMS; Affiliated
Faculty – DSSC

Keywords

Microelectromechanical systems (MEMS), RF MEMS, inertial/bio/chemical sensors, MEMS CAD, micro-robotics

**Feenstra, Randy** Professor – Physics; Courtesy Professor – ECE

(412)-268-6961
feenstra@andrew.cmu.edu

Ferris, Sherri Administrative Coordinator – ECE

(412) 268-4632
sferris@andrew.cmu.edu

Fox, Toni Sponsored Research Assistant – CyLab

(412) 268-1657
tonif@andrew.cmu.edu

Franchetti, Franz Professor – ECE; Faculty Director of ITS – ECE

(412)-268-8297
franzf@ece.cmu.edu

Frost, Brittany Senior Sponsored Research Assistant – CyLab

412-268-1212
bfrost@andrew.cmu.edu

Frost, Donna International Scholar Coordinator – ECE

412-268-3407
dfrost@andrew.cmu.edu

Furuta, Masaki Post Doctoral Research Associate – ECE

mfuruta@ece.cmu.edu

Keywords

Molecular beam epitaxy, scanning tunneling microscopy

Automatic performance tuning; automatic software libraries generation; code generation for multicore CPUs, high-performance systems (HPC), GPUs, FPGA-acceleration; logic-in-memory and 3DIC systems; domain-specific languages and compilers

Fredrikson, Matt Assistant Professor – ISR, CS; Courtesy Professor – ECE

(412) 268-3992
mfredrik@andrew.cmu.edu

Keywords

Security, privacy, formal methods, and programming languages.

Frost, Brittany Senior Sponsored Research Assistant – CyLab

412-268-1212
bfrost@andrew.cmu.edu

Frost, Donna International Scholar Coordinator – ECE

412-268-3407
dfrost@andrew.cmu.edu

Furuta, Masaki Post Doctoral Research Associate – ECE

mfuruta@ece.cmu.edu
Gamble, Andrew  Labora-tory Electronics  (412)-268-1110
Supervisor – DSSC  jgamble@ece.cmu.edu

Ganger, Greg  Affiliated  (412)-268-1297
Faculty – CSD; Jatras  ganger@ece.cmu.edu
Professor – ECE, CSD; Director – PDL

Keywords
cloud computing, storage/file systems, operating systems, distributed systems

Garba, Aminata  Assistant Teaching  +250 78 152 04 72
Professor – ECE  aminata@ece.cmu.edu

Geiger, Kristen  Senior Research Administrator – ECE  (412) 268-3836
ksgeiger@andrew.cmu.edu

Gellman, Andrew J.  Lord  (412)-268-3848
Professor – ChemE; Professor – Chemistry; Affiliated  ag4@andrew.cmu.edu
Faculty – DSSC

Ghose, Saugata  Systems Scientist – ECE  (412)-268-9192
saugatag@andrew.cmu.edu

Gibbons, Phil  Professor – ECE  pgibbons@andrew.cmu.edu

Gibson, Garth  Professor – CS; Courtesy  (412)-268-5890
garth@cs.cmu.edu
Professor – ECE; Affiliated Faculty – DSSC

Keywords
Computer architecture, operating systems, file systems, disk arrays

Gligor, Virgil  Professor – ECE; Co-Director – CyLab  (412)-268-9833
virgil@andrew.cmu.edu

Goldstein, Seth  Associate  (412)-268-3828
Professor – CSD; Courtesy  seth@cs.cmu.edu
Professor – ECE

Keywords
Systems Nanotechnology, Programmable Matter, Reconfigurable Computing, Parallel Computing, Compilers, Architecture

Gottron, Norman  Process Engineer – Nanofab  (412)-268-4205
ngottron@andrew.cmu.edu

Greenfield, Anissa  Manager, Sponsored Research Administration – ECE  (412)-268-3114
admyers@ece.cmu.edu

Greve, David  Professor Emeritus – ECE  (412)-268-3707
dg07@andrew.cmu.edu
Keywords

Semiconductor device physics and semiconductor process technology, sensors

Grieco, Patricia L. Administrative Manager – DSSC
Griss, Martin L. Adjunct Professor – ECE
Grover, Pulkit Assistant Professor – ECE
Grupe, Alan Senior Facilities Manager – ECE
Harchol-Balter, Mor Associate Professor – CS; Courtesy Professor – ECE

Keywords

Scheduling of computer systems, workload characterization, heavy-tailed distributions

Harding, Meighan Senior Director of Operations – ECE
Higgs III, Fred Professor – MechE; Courtesy Professor – ECE

Keywords

Tribology, nanomanufacturing, multi-scale particle flows

Hills, Alex Distinguished Service Professor – EPP; Courtesy Professor – ECE

Keywords

Research in wireless technology and telecommunications policy

Hilton, Chad Senior Systems & Software Engineer – ECE
Hoburg, James Emeritus Faculty – ECE

Keywords

Electromagnetics, electromechanics, electrohydrodynamics, microfluidics
Jannucci, Bob  Director – CyLab Mobility Research Center; Distinguished Service Professor – ECE, Carnegie Mellon Silicon Valley

Keywords

Mobile and embedded computing, scalable systems, sensor networks, emergency communications systems

Ilic, Jovan  Associate Teaching Professor – ECE

Keywords

Large-scale systems modeling and simulation; power systems control and pricing algorithms; critical infrastructures/interdependencies

Ishihara, Abe  Courtesy Professor – ECE

Keywords
Jackson, Collin Adjunct Professor – ECE  
collin.jackson@sv.cmu.edu  
(412) 268-3363  
farnam@andrew.cmu.edu

Jahanian, Farnam Vice President for Research – CMU; Courtesy Professor – ECE  
(412) 268-3363  
farnam@andrew.cmu.edu

Jhon, Myung S. Professor – ChemE; Affiliated Faculty – DSSC  
(412)-268-2233  
mj3a@andrew.cmu.edu

Jia, Limin Assistant Research Professor – CyLab, INI, ECE  
(412)-268-4605  
liminjia@andrew.cmu.edu

Keywords  
Language-based security, programming languages, logic and program verification.

Joe-Wong, Carlee Assistant Professor – ECE  
650-335-2832  
cjoewong@andrew.cmu.edu

Keywords  
Network economics and pricing, cloud computing, mobile/edge computing

Jordan, Angel Emeritus University Professor – ECE, RI  
(412)-268-2590  
ajordan@cs.cmu.edu

Keywords  
Robotics, Innovation, and Software Engineering, focusing on Technological Change and Technology Transfer

Joshi, Gauri Adjunct Faculty – ECE  
gaurij@andrew.cmu.edu

Keywords  
Performance analysis, cloud computing, machine learning

Kanade, Takeo U.A. and Helen Whitaker Professor – CS, RI; Courtesy Professor – ECE  
(412)-268-3016  
tk@cs.cmu.edu

Keywords  
Computer vision, autonomous systems, medical robotics

Kar, Soummya Associate Research Professor – ECE  
(412)-268-8962  
soummayak@andrew.cmu.edu
Keywords

Distributed Information Processing, Multi-Agent Decision Making, Adaptive Stochastic Systems

Kass, Leona Director of Student and Academic Affairs – ECE (412)-268-2496 lkass@andrew.cmu.edu

Kavcic, Aleksandar Adjunct Faculty – ECE akavcic@andrew.cmu.edu

Kelly, Shawn K. Courtesy Professor – ECE; Senior Systems Scientist – ICES skkelly@andrew.cmu.edu

Khosla, Pradeep K. Adjunct Professor – ECE; Chancellor – University of California, San Diego pkk@ece.cmu.edu

Keywords

agent-based design and control, S/W engineering for real-time systems, distributed robotics, distributed information systems, Secure Embedded Software/Systems, Sensor Networks

Kim, Hyong Drew D. Perkins Professor – ECE (412)-268-6491 kim@ece.cmu.edu

Keywords

Advanced switch and network architectures, fault-tolerant network architectures, network management and control

Kimukin, Ibrahim Research Associate – ECE (412)-268-9013 ikimukin@andrew.cmu.edu

Knickerbocker, Kara Administrative Coordinator – ECE (412)-268-2389 krk@andrew.cmu.edu

Kochhar, Abhay Research Scientist – ECE (412)-268-8013 askochha@andrew.cmu.edu

Koeske, Matt Research Administrator – ECE (412)-268-7293 koeske@ece.cmu.edu

Kompalli, Suryaprakash Assistant Teaching Professor – ECE +250 78 484 08 55 skompall@andrew.cmu.edu

Koopman, Philip Associate Professor – ECE, CS (412)-268-5225 koopman@cmu.edu
Keywords

distributed embedded systems, survivable system architecture, dependability

Kovačević, Jelena Hamerschlag
University Professor – ECE; University Professor – BME
(412) 268-3299
jelenak@cmu.edu

Keywords

Signal processing, biomedical, wavelets, frames, multiresolution, communications

Kozuch, Michael A.
Adjunct Professor – ECE
mkozuch@andrew.cmu.edu

Krogh, Bruce H.
Professor – ECE
(412)-268-2472
krogh@ece.cmu.edu

Keywords

Synthesis and verification of embedded control software, distributed control strategies, distributed supervisory control, information and control in wireless sensor networks, discrete event and hybrid dynamic systems

Kryder, Mark
Emeritus University Professor – ECE; Affiliated Faculty – DSSC
(412)-268-3513
kryder@ece.cmu.edu

Keywords

Magnetic recording, optical recording and ferroelectric materials

Kumar, Swarun S.
Assistant Professor – ECE
412-268-1892
swarun@cmu.edu

Kurpiewski, Matthew
Systems Administrator – ECE
(412) 268-1973
mkurp@andrew.cmu.edu

Lambeth, David N.
Emeritus – ECE
(412)-268-3674
lambeth@ece.cmu.edu

Keywords

Physical and chemical sensors, transducers, MEMS, magnetism, materials, thin films, data storage and RF devices

Lane, Ian R.
Associate Research Professor – ECE
ianlane@cs.cmu.edu

Laughlin, David
ALCOA
(412)-268-2706
dl0p@andrew.cmu.edu

Keywords
Keywords

Magnetic materials, material science, electron microscopy, x-ray diffraction

Leathers, Diana  Administrative Coordinator – ECE  650-335-2824  diana.leathers@sv.cmu.edu
Lehman, Philip  ECE/SCS Office of Engagement and Annual Giving – ECE  pll@andrew.cmu.edu
Li, Ming  Adjunct Professor – ECE  mingli1@andrew.cmu.edu
Li, Xin  Adjunct Faculty – ECE  (412)-268-6507  xinli@ece.cmu.edu

Integrated circuits, computer-aided design

Lindenfelser, Karen  Administrative Manager – PDL; Administrative Coordinator – ECE  (412)-268-6716  karen@ece.cmu.edu
Lohn, Jason D.  Adjunct Faculty – ECE  (650)-335-2802  jason.lohn@sv.cmu.edu
Low, Tze Meng  Systems Scientist – ECE  (412) 268-5663  lowt@andrew.cmu.edu
Lucia, Brandon  Assistant Professor – ECE  (412) 268-3587  blucia@ece.cmu.edu
Lynch, Aydaen  Senior Systems & Software Engineer – ECE  (412)-268-5818  alynch@ece.cmu.edu

Mahouski, Michelle  Academic Services Coordinator – ECE  (412)-268-4951  mmahousk@andrew.cmu.edu
Mai, Ken  Principal Systems Scientist – ECE  (412)-268-8335  kenmai@ece.cmu.edu

Keywords

Digital circuit design, computer architecture, memory design, reconfigurable computing

Majetich, Sara A.  Professor – Physics; Courtesy Professor – ECE; Affiliated Faculty – DSSC  sm70@andrew.cmu.edu
Maly, Wojciech  Professor Emeritus – ECE  (412)-268-6637  maly@ece.cmu.edu

Keywords

Computer-aided design and manufacturing of VLSICs
Marculescu, Diana  David Edward Schramm Professor – ECE; Associate Department Head for Academic Affairs – ECE  (412)-268-1167 dianam@ece.cmu.edu

Keywords

VLSI/computer architecture, energy aware computing, CAD for integrated systems

Marculescu, Radu  Professor – ECE  (412)-268-8710 radum@ece.cmu.edu

Keywords

Embedded systems, multicore systems, on-chip communication, low-power design, cyber-physical systems.

Mattingly, Chloe  Administrative Coordinator – ECE, DSSC  (412)-268-2650 chloem@andrew.cmu.edu

Maxion, Roy  Research Professor – CS; Courtesy Professor – ECE  (412)-268-7556 maxion@cs.cmu.edu

Keywords

Computer dependability and security; information warfare; intrusion detection; system diagnosis

McCarthy, Jillian  M.S. Academic Program Advisor – ECE  (412) 268-3077 jrmccart@andrew.cmu.edu

McHenry, Michael E.  Professor – MSE; Affiliated Faculty – DSSC  (412)-268-2703 mm7g@andrew.cmu.edu

McKinney, Jim  IT Manager – ECE  (412)-268-5141 jmck@ece.cmu.edu

Mehdizadeh, Emad  Post Doctoral Research Associate – ECE  emehdiza@ece.cmu.edu

Mengshoel, Ole  Principal Systems Scientist – ECE ole.mengshoel@sv.cmu.edu

Miskov-Zivanov, Natasa  Adjunct Faculty – ECE  nmiskov@andrew.cmu.edu

Moe, Tara  Director of Graduate Affairs – ECE  (412)-268-6327 taramoe@ece.cmu.edu

Moneck, Matthew  Executive Manager, ECE Nanofabrication Facility – Nanofab; Research Scientist – DSSC mmoneck@andrew.cmu.edu

Morchower, Bari  Student Organizations and Activities Advisor – ECE  (412) 268-1470 bmorchow@andrew.cmu.edu
Morgan, Granger Professor – ECE; Lord Professor – EPP (412)-268-2672
gm5d@andrew.cmu.edu

Keywords
Technology and policy including climate change and electric power

Morris, James Professor – CS; Courtesy Professor – ECE (412)-609-5000
james.morris@sv.cmu.edu

Moura, José Associate Department Head - Research & Strategic Initiatives – ECE; Philip L. and Marsha Dowd University Professor – ECE, BME; Affiliated Faculty – DSSC (412)-268-6341
moura@ece.cmu.edu

Keywords
Communications, statistical signal/image, video, and multimedia processing, wavelet transforms

Moutis, Panayiotis Post Doctoral Research Associate – ECE (412) 268-7114
pmoutis@andrew.cmu.edu

Mowry, Todd Professor – CS; Courtesy Professor – ECE; Co-Director – CALCM (412)-268-3725
tcm@cs.cmu.edu

Keywords
Computer architecture, compilers, operating systems, parallel processing

Moya, Linda Assistant Teaching Professor – ECE, SDS 412-268-8364
lhmoya@andrew.cmu.edu

Mukherjee, Tamal Professor – ECE (412)-268-8522
tamal@ece.cmu.edu

Keywords
Analog/RF/MEMS/biofluidic microsystem design

Mutlu, Onur Adjunct Professor – ECE onur@cmu.edu

Keywords
Computer architecture, hardware/software interaction, operating systems, fault tolerance

N

Nace, Bill Associate Teaching Professor – ECE (412)-268-7027
wnace@cmu.edu
Keywords

Digital Design, Embedded Systems, Networks

Narasimhan, Priya Professor – ECE  (412)-268-8801

Keywords

fault tolerance, distributed systems, embedded systems, mobile systems

Narasimhan, Srinivasa Associate Professor – RI; Courtesy Professor – ECE  412-268-1199

Keywords

computational sensors, computer graphics, computer vision, image processing, optics

Negi, Rohit  Professor – ECE; Affiliated Faculty – DSSC  (412)-268-6264

Keywords

Wireless systems, networking, sensor networks, signal processing, coding for communications, information theory

Nguyen, Kimmy  Event and Project Coordinator – ECE  (412) 268-7138

Noh, Hae Young  Assistant Professor – CEE; Courtesy Professor – ECE

O'Hallaron, David  Professor – CS, ECE; Director – Intel Research Pittsburgh  (412)-268-8199

Keywords

Scientific computing, parallel computing, computational database systems, and virtualization

Oliver, Megan  Academic Services Coordinator – ECE

Ozdoganlar, O. Burak  Affiliated Faculty – DSSC; Associate Professor – MechE

Ozdoganlar, Neslihan  M.S. Academic Program Advisor – ECE  (412)-268-6581

Ozdoganlar, Neslihan  M.S. Academic Program Advisor – ECE  (412)-268-6581
Péraire, Cécile  Assistant Teaching Professor – ECE  cecile.peraire@sv.cmu.edu
Püschel, Markus  Adjunct Professor – ECE (412)-268-3804  pueschel@ece.cmu.edu

Keywords
Fast computing, algorithms, applied mathematics, and signal processing (theory, software, hardware)

Pagliarini, Samuel  Senior Research Scientist – ECE  spagliar@ece.cmu.edu
Palko, Adam P.  Finance and Research Administrator – ECE  (412)-268-2188  apalko@ece.cmu.edu
Pandey, Manish  Adjunct Faculty – ECE  mpandey@andrew.cmu.edu
Paramesh, Jeyanandh  Associate Professor – ECE  (412)-268-1290  paramesh@ece.cmu.edu

Keywords
Analog, Mixed-signal and RF/millimeter-wave Integrated Circuit Design, Digitally-assisted analog/RF IC design

Parno, Bryan  Associate Professor – CSD, ECE  (412) 268-2033  parno@cmu.edu
Pasareanu, Corina  Senior Research Scientist – ECE-SV  (650)-604-4767  pcorina@andrew.cmu.edu
Patterson, Carolyn  Administrative Coordinator – ECE  (412)-268-7286  carol@ece.cmu.edu
Patton, Ashley  Director of Engagement and Annual Giving – ECE  awpatton@andrew.cmu.edu
Pavlo, Andy  Courtesy Professor – ECE  pavlo@cs.cmu.edu
Peha, Jon  Professor – EPP; Courtesy Professor – ECE  (412)-268-7126  peha@ece.cmu.edu

Keywords
Telecommunications, wireless networks, internet, spectrum management, communications for homeland security, electronic commerce, developing countries, universal service, security

Perrig, Adrian  Adjunct Professor – ECE; Professor – EPP, CS; Technical Director – CyLab  (412)-268-2242  adrian@ece.cmu.edu
Keywords

Information and systems security, focusing on network security (internet, mobile computing, and sensor networks) as well as on trusted computing.

Phelps, Shelley Senior Administrative Coordinator – ECE
(412)-268-8162
sphelps@ece.cmu.edu

Piazza, Gianluca (Gian) Professor – ECE; Director – Nanofab
(412)-268-7762
piazza@ece.cmu.edu

Keywords

MEMS, NEMS, nanotechnology, microfabrication, integration of electronics with M/NEMS

Pileggi, Larry Tanoto Professor – ECE
(412)-268-6774
pileggi@ece.cmu.edu

Keywords

Design, implementation and modeling of electronic integrated systems

Pileggi, Leah Professional Writer – ECE; Professional Assistant – ECE
leahp1@andrew.cmu.edu

Platzer, Andre Assistant Professor – CS, ECE
(412)-268-1558
aplatzer@cs.cmu.edu

Keywords

Verification of embedded control systems, hybrid dynamical systems, cyber-physical systems, distributed hybrid systems, logic and formal methods

Popli, Nipun Post Doctoral Research Associate – ECE
npopli@ece.cmu.edu

Prelich-Knight, Lyz Academic Services Coordinator – ECE
(412)-268-5087
lyz@ece.cmu.edu

R

Racko, Angela Finance and Business Associate – ECE
amracko@andrew.cmu.edu

Rajkumar, Raj Professor – ECE, CS; Co-Director – GM-CM CRL; Director – Real-Time and Multimedia Systems Laboratory
(412)-268-8707
raj@ece.cmu.edu

Keywords

Embedded and real-time systems
Keywords

Nanoscale electronics, nanoscale devices, nonlinear dynamics, analog circuits

Risley, Mason Process Engineer – Nanofab
rosvanis@andrew.cmu.edu

Rowe, Anthony Associate Professor – ECE
(412)-268-4856
agr@ece.cmu.edu

Keywords

Embedded systems, distributed systems, sensor networks

S

Salvador, Paul A. Associate Professor – MSE; Affiliated Faculty – DSSC
(412)-268-2702
paul7@andrew.cmu.edu

Santhanam, Suresh Principal Process Engineer – ECE
(412)-268-2026
ss9s@andrew.cmu.edu

Satyanarayanan, Mahadev Carnegie Professor – CS; Courtesy Professor – ECE
(412)-268-3743
Savvides, Marios
Research Professor – ECE; Director – CyLab Biometrics Center
Keywords
Biometric identification, Cyber-Physical Security, Authentication, Pattern recognition
Savvides, Marios
Research Professor – ECE Biometrics Center
Keywords
Biometric identification, Cyber-Physical Security, Authentication, Pattern recognition

Schlesinger, T.E. (Ed)
Adjunct Professor – ECE
Keywords
Semiconductor devices, information storage, optoelectronic systems

Schneider, Jeff
Research Professor – RI; Courtesy Professor – ECE
Keywords
Networking, Security, Systems, Software-defined networking, Internet-of-Things security

Serafin, Stephen
Senior Systems Engineer – ECE
Keywords
Network protocols, applications, distributed systems, mobile computing, wireless networks

Shen, John
Professor – ECE
Keywords
Modern superscalar processor design, instruction-level parallelism and code scheduling

Siewiorek, Daniel
Buhl University Professor – HCII, ECE, CSD
Keywords
Modern superscalar processor design, instruction-level parallelism and code scheduling
Keywords

Computer architecture, reliability, context aware mobile computing

Sinopoli, Bruno Professor – MechE, ECE, RI (412)-268-9432 brunos@ece.cmu.edu

Keywords

Networked embedded control systems, sensors/actuators networks, control theory

Sirbu, Marvin Professor – EPP; Courtesy Professor – ECE (412)-268-3436 sirbu@cmu.edu

Keywords

Telecommunications policy and economics

Sitti, Metin Professor – MechE, RI; Courtesy Professor – ECE; Affiliated Faculty – DSSC (412)-268-3632 sitti@cmu.edu

Keywords

Micro/nano-robotics, biologically inspired systems, nanotechnology, MEMS/NEMS

Skovira, Holly Administrative Coordinator – ECE (412) 268-9192 hskovira@andrew.cmu.edu

Skowronski, Marek Courtesy Professor – ECE; Professor – MSE; Affiliated Faculty – DSSC (412)-268-2710 ms3s@andrew.cmu.edu

Smailagic, Asim Courtesy Professor – ECE; Research Professor – ICES; Director – LINCS (412)-268-7863 asim@ices.cmu.edu

Keywords

Mobile computing, computer architecture, system design methods, wearable computers

Smith Jr., Robert E. Senior Windows Systems Engineer – ECE (412)-268-6033 robsmith@cmu.edu

Smola, Alex Professor – MLD; Courtesy Professor – ECE (408) 759-1044 smola@andrew.cmu.edu

Snizaski, Nathan Ph.D. Academic Program Advisor – ECE 412-268-3200 nsnizask@andrew.cmu.edu

Sokalski, Vincent Assistant Research Professor – MSE; Affiliated Faculty – DSSC (412)-268-8628 vsokalsk@andrew.cmu.edu
Song, Dawn Adjunct Professor – ECE  
Sreenath, Koushil Courtesy Professor – ECE; Assistant Professor – RI  
Stancil, Daniel Adjunct Professor – ECE  

Keywords  
Wireless communications, nanophotonics, spin wave devices  

Steenkiste, Peter Professor – ECE, CS  

Keywords  
Computer networks, distributed systems, pervasive computing  

Stern, Richard Professor – ECE, LTI, CS, BME; Lecturer – Music  

Keywords  
Automatic speech recognition, auditory perception, signal processing  

Stevens, Dave Facilities Assistant – ECE  

Keywords  
Statistically based CAD/CAM of VLSI circuits  

Sullivan, Tom Associate Teaching Professor – ECE; Lecturer – Music  

Keywords  
Audio signal processing, music and sound recording applications  

Sundar, Vignesh Post Doctoral Research Associate – DSSC  

Keywords  
Network security; Wireless networking  

Steenkiste, Peter  

(412)-268-2535  

pr@s.cs.cmu.edu  

Stern, Richard  

(412)-268-2535  

rms@ece.cmu.edu  

Stevens, Dave  

412-268-2470  

daves@andrew.cmu.edu  

Sullivan, Tom  

(412)-268-3351  

tms@ece.cmu.edu  

Sundar, Vignesh  

vigneshs@andrew.cmu.edu  

Tague, Patrick  

(650)-335-2827  

patrick.tague@sv.cmu.edu
Talukdar, Sarosh  Professor  Emeritus – ECE  (412)-268-8778  talukdar@ece.cmu.edu

Keywords

Autonomous agents, distributed control, power systems, cascading failures

Tang, Xiaoying  Adjunct Professor – ECE  txiaoyin@ece.cmu.edu

Thomas, Donald  Professor  Emeritus – ECE  (412)-268-3545  thomas@ece.cmu.edu

Keywords

Computer-aided design of single chip heterogeneous multiprocessing systems

Tims, Joshua  Systems Administrator – ECE  (412)-268-5888  jttims@ece.cmu.edu

Tomko, Jessica  Admissions Coordinator – ECE  (412)-268-4786  jtomko@andrew.cmu.edu

Tonguz, Ozan  Professor – ECE  (412)-268-5991  tonguz@ece.cmu.edu

Keywords

Optical networks, wireless networks and communications systems, and high-speed networking

Towe, Elias  Professor – ECE; Albert and Ethel Grobstein Memorial Professor – MSE; Director – CNXT  (412)-268-8091  towe@cmu.edu

Keywords

Photonics, optical networks, biophotonics, sensors, quantum phenomena in optical materials.

Treuille, Adrien  Courtesy Professor – ECE; Assistant Professor – CS  treuille@cs.cmu.edu

Ustun, Taha Selim  Assistant Teaching Professor – ECE  +250 78 659 24 78  tahas@andrew.cmu.edu

Keywords

Power Systems Protection, Communication in Power Networks, Distributed Generation, Microgrids and Smartgrids
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Department</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Veloso, Manuela</td>
<td>Professor – CS; Courtesy Professor – ECE</td>
<td></td>
<td><a href="mailto:mmv@cs.cmu.edu">mmv@cs.cmu.edu</a></td>
</tr>
<tr>
<td>Veríssimo, Paulo</td>
<td>Adjunct Professor – ECE</td>
<td></td>
<td><a href="mailto:pjv@di.fc.ul.pt">pjv@di.fc.ul.pt</a></td>
</tr>
<tr>
<td>Vernon, David</td>
<td>Teaching Faculty – ECE</td>
<td></td>
<td><a href="mailto:vernon@cmu.edu">vernon@cmu.edu</a></td>
</tr>
<tr>
<td>Vidal Alvarez, Gabriel</td>
<td>Post Doctoral Research Associate – ECE</td>
<td></td>
<td><a href="mailto:gvidal@andrew.cmu.edu">gvidal@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Vieira, Deb</td>
<td>Senior Multimedia Designer – ECE</td>
<td></td>
<td><a href="mailto:debraost@ece.cmu.edu">debraost@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Wang, Kai</td>
<td>Adjunct Professor – ECE</td>
<td></td>
<td><a href="mailto:wangkai@andrew.cmu.edu">wangkai@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Wang, Yao</td>
<td>Post Doctoral Research Associate – ECE</td>
<td></td>
<td><a href="mailto:yaowang@ece.cmu.edu">yaowang@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Wasserman, Anthony</td>
<td>Adjunct Professor – ECE</td>
<td></td>
<td><a href="mailto:tonyw@cmu.edu">tonyw@cmu.edu</a></td>
</tr>
<tr>
<td>Weiler, Mark</td>
<td>Equipment Manager, Nanofabrication Facility – ECE</td>
<td></td>
<td><a href="mailto:mweiler@andrew.cmu.edu">mweiler@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Weiss, Lee</td>
<td>Courtesy Professor – ECE; Research Professor – RI</td>
<td></td>
<td><a href="mailto:lew@andrew.cmu.edu">lew@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Weldon, Jeffrey</td>
<td>Associate Professor – ECE</td>
<td></td>
<td><a href="mailto:jweldon@ece.cmu.edu">jweldon@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Wen, Tianlong</td>
<td>Post Doctoral Research Associate – Physics, DSSC</td>
<td>(412)-268-2319</td>
<td></td>
</tr>
<tr>
<td>White, Robert M</td>
<td>Emeritus University Professor – ECE, EPP; Affiliated Faculty – DSSC</td>
<td><a href="mailto:white@ece.cmu.edu">white@ece.cmu.edu</a></td>
<td></td>
</tr>
<tr>
<td>Will, Regis</td>
<td>Senior Systems Engineer – ECE</td>
<td></td>
<td><a href="mailto:rwill@andrew.cmu.edu">rwill@andrew.cmu.edu</a></td>
</tr>
<tr>
<td>Woodhead, Vickie</td>
<td>Undergraduate Advisor – ECE</td>
<td></td>
<td><a href="mailto:woodhead@ece.cmu.edu">woodhead@ece.cmu.edu</a></td>
</tr>
<tr>
<td>Xu, Yinliang</td>
<td>Adjunct Professor – ECE</td>
<td></td>
<td><a href="mailto:danielxu@andrew.cmu.edu">danielxu@andrew.cmu.edu</a></td>
</tr>
</tbody>
</table>

Keywords

Nanoelectronics, Heterogeneous Integration, RF and Analog Integrated Circuits, Biomedical Electronics, Carbon Nanotubes, Graphene

Wen, Tianlong Post Doctoral Research Associate – Physics, DSSC

White, Robert M Emeritus University Professor – ECE, EPP; Affiliated Faculty – DSSC

Keywords

Magnetic nanotechnology

Will, Regis Senior Systems Engineer – ECE

Woodhead, Vickie Undergraduate Advisor – ECE

X

Xu, Yinliang Adjunct Professor – ECE
Yagan, Osman  Assistant Research Professor – ECE  (412) 268-3976 oyagan@ece.cmu.edu

Keywords

Wireless communications, network science, security, social networks, cyber-physical networks

Ydstie, B. Erik  Professor – ChemE; Courtesy Professor – ECE  (412)-268-2235 ydstie@andrew.cmu.edu

Ye, Terry  Adjunct Professor – ECE  (412) 268-5401 terrype@ece.cmu.edu

Yichye, Shahar  Cleanroom Construction Protocol Manager – ECE syichye@andrew.cmu.edu

Yu, Byron  Associate Professor – ECE; Assistant Professor – BME  (412)-268-9658 byronyu@cmu.edu

Keywords

Neural signal processing, machine learning approaches in neuroscience, neural prosthetic systems

Yu, Zhiyi  Adjunct Professor – ECE  zhiyiyu@andrew.cmu.edu

Keywords

Multi-core processors, Network-on-chip, Digital VLSI

Zhang, Hui  Professor – CS; Courtesy Professor – ECE  (412)-268-8945 hzhang@cs.cmu.edu

Keywords

Computer networks, internet, resource management, multimedia

Zhang, Jia  Associate Teaching Professor – ECE jia.zhang@sv.cmu.edu

Zhang, Joy  Adjunct Professor – ECE  (650)-335-2824 joy@cs.cmu.edu

Zhang, Pei  Associate Research Professor – ECE  (650)-335-2823 peizhang@cmu.edu
Keywords

Sensor Networks, Embedded Systems

Zhu, Jimmy  ABB
Professor – ECE; Professor – MSE, Physics; Director – DSSC

(412)-268-8373
jzhu@ece.cmu.edu

Keywords

Micromagnetics, magnetoelectronic devices, magnetic recording

Ziccardi, Chad  Principal Systems Engineer – ECE

(412)-268-4453
ziccardi@ece.cmu.edu

Zurcher, Elaine  Systems Administrator – ECE

(412)-268-1210
egadd@ece.cmu.edu